NEAR-NEIGHBOR SEARCH IN PATTERN DISTANCE SPACES

Abstract of the Disclosure

5   Similarity searching techniques are provided. In one aspect, a method for use in finding near-neighbors in a set of objects comprises the following steps. Subspace pattern similarities that the objects in the set exhibit in multi-dimensional spaces are identified. Subspace correlations are defined between two or more of the objects in the set based on the identified subspace pattern similarities for use in identifying

10   near-neighbor objects. A pattern distance index may be created. A method of performing a near-neighbor search of one or more query objects against a set of objects is also provided.